

Message

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**From:** Simon, Heather [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A777B3AB435946D399A5AC22DE5DE197-SIMON, HEATHER]  
**Sent:** 5/16/2018 6:47:48 PM  
**To:** Fann, Neal [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b040a0d5552c40d3a795855b5845c5b4-NFANN]  
**Subject:** RE: AQ stats for RFM project

Hi Neal,

I only need PM mass, not species. If all you have is the delta, that will work for me.

Thanks!  
-Heather

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Heather Simon, PhD  
Air Quality Modeling Group  
Office of Air Quality Planning and Standards  
U.S. Environmental Protection Agency

Tel: (919) 541-1803

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**From:** Fann, Neal  
**Sent:** Wednesday, May 16, 2018 1:38 PM  
**To:** Simon, Heather <Simon.Heather@epa.gov>  
**Subject:** RE: AQ stats for RFM project

Heather—I can definitely do that. Do you need the delta in air quality or both the baseline and control concentrations?

Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

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**From:** Simon, Heather  
**Sent:** Wednesday, May 16, 2018 9:34 AM  
**To:** Fann, Neal <Fann.Neal@epa.gov>  
**Subject:** AQ stats for RFM project

Hi Neal,

I am starting to work on calculating the AQ performance statistics for the RFM project.

Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

-Heather

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Heather Simon, PhD  
Air Quality Modeling Group  
Office of Air Quality Planning and Standards  
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Tel: (919) 541-1803

Message

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**From:** Keaveny, Brian [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=13AC837699A94966ADB381B8C7C380F9-KEAVENY, BR]  
**Sent:** 4/10/2018 1:52:33 PM  
**To:** Weatherhead, Darryl [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4889ece1ce1541a0a053ecc16b4a1131-Weatherhead, Darryl]; Wayland, Robertj [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d490f5a1cd21498384c72c7ac7076967-RWAYLAND]; Fann, Neal [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b040a0d5552c40d3a795855b5845c5b4-NFANN]; Simon, Heather [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a777b3ab435946d399a5ac22de5de197-Simon, Heather]; Possiel, Norm [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=89e1e9284df646adaf76cc6bd02aceb6-NPOSSIEL]  
**CC:** Sasser, Erika [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=477638fe84004800bdf8e62fe3cafc8-ESASSER]  
**Subject:** Materials for the 10:00 Bill Wehrum briefing today  
**Attachments:** Potential RIA Scenarios 4-9-18\_v3.pptx; CAA 111 BSER Briefing 04102018 (003).docx

FYI, here are the materials for the 10 AM Bill Wehrum briefing today on the 111 rules.

Best regards,  
- Brian

Message

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**From:** Possiel, Norm [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=89E1E9284DF646ADAF76CC6BD02ACEB6-NPOSSIEL]  
**Sent:** 4/16/2018 7:09:50 PM  
**To:** Fann, Neal [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b040a0d5552c40d3a795855b5845c5b4-NFANN]  
**Subject:** RE: Benmap inputs for 2% scenario

No worries. Thanks for sending.

# Deliberative Process / Ex. 5

Norm

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**From:** Fann, Neal  
**Sent:** Monday, April 16, 2018 2:51 PM  
**To:** Possiel, Norm <Possiel.Norm@epa.gov>  
**Subject:** FW: Benmap inputs for 2% scenario

Sorry Norm. Should have included you too.

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**From:** Fann, Neal  
**Sent:** Monday, April 16, 2018 2:50 PM  
**To:** Wayland, Robertj <Wayland.Robertj@epa.gov>; Simon, Heather <Simon.Heather@epa.gov>  
**Cc:** Fox, Tyler <Fox.Tyler@epa.gov>; Keaveny, Brian <Keaveny.Brian@epa.gov>  
**Subject:** RE: Benmap inputs for 2% scenario

Hi all,

Here are the updated estimated foregone PM2.5 and ozone-related benefits that incorporate Heather's 2% heat rate scenario. The original figure was getting quite busy and so I highlighted the CPP repeal results in green and the replacement results in blue.

Let me know if you have any questions.

Thanks,  
Neal

# Deliberative Process / Ex. 5

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**From:** Wayland, Robertj  
**Sent:** Friday, April 13, 2018 5:17 PM  
**To:** Simon, Heather <[Simon.Heather@epa.gov](mailto:Simon.Heather@epa.gov)>; Fann, Neal <[Fann.Neal@epa.gov](mailto:Fann.Neal@epa.gov)>  
**Cc:** Fox, Tyler <[Fox.Tyler@epa.gov](mailto:Fox.Tyler@epa.gov)>; Keaveny, Brian <[Keaveny.Brian@epa.gov](mailto:Keaveny.Brian@epa.gov)>  
**Subject:** RE: Benmap inputs for 2% scenario

Thanks Heather ... you've really been turning the crank on these surfaces! I really appreciate your extra efforts here – have a great weekend! ☺

*Rob*

Robert J. Wayland, Ph.D. | Leader (Acting) | Risk & Benefits Group | Health & Environmental Impacts Division | Mail Code -- C539-07 |  
Office of Air Quality Planning & Standards | U.S. Environmental Protection Agency | Research Triangle Park, NC 27711 |  
Desk: 919-541-1045 | Cell: 919-306-2290 | Fax: 919-541-5315 |

*Note: Positions or views expressed here do not represent official EPA policy. Interagency Deliberative and Confidential*

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**From:** Simon, Heather  
**Sent:** Friday, April 13, 2018 5:16 PM  
**To:** Fann, Neal <[Fann.Neal@epa.gov](mailto:Fann.Neal@epa.gov)>  
**Cc:** Fox, Tyler <[Fox.Tyler@epa.gov](mailto:Fox.Tyler@epa.gov)>; Keaveny, Brian <[Keaveny.Brian@epa.gov](mailto:Keaveny.Brian@epa.gov)>; Wayland, Robertj <[Wayland.Robertj@epa.gov](mailto:Wayland.Robertj@epa.gov)>  
**Subject:** Benmap inputs for 2% scenario

Hi Neal,

Please find BenMap inputs for the 2% scenario attached. Let me know if you have any questions

Cheers,

Heather

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Heather Simon, PhD  
Air Quality Modeling Group  
Office of Air Quality Planning and Standards  
U.S. Environmental Protection Agency

Tel: (919) 541-1803

Message

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**From:** Sacks, Jason [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=2099BEC11CED4D5C8C07A89AA8EE652-SACKS, JASON]  
**Sent:** 8/7/2018 7:50:03 PM  
**To:** Fann, Neal [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b040a0d5552c40d3a795855b5845c5b4-NFANN]; Coffman, Evan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bb25c67e3d4743d4802b9fe01f909d54-Coffman, Ev]  
**Subject:** RE: CPP comments

Hi Neal,

Lucky you. I can be there, let me know date and time. Would probably be good for Evan to be there too.

Jason

Jason D. Sacks, M.P.H.  
Epidemiologist  
U.S. Environmental Protection Agency  
National Center for Environmental Assessment  
Phone: 919-541-9729  
Fax: 919-541-1818

Notice (If This Communication Regards a Contract): This communication shall not be considered a change in scope (affecting LOE or Cost), which may only be issued by the Contract Officer (CO). If upon receipt the Contractor determines this communication to alter the scope, please contact myself or the CO for further instruction.

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**From:** Fann, Neal  
**Sent:** Tuesday, August 07, 2018 2:29 PM  
**To:** Sacks, Jason <Sacks.Jason@epa.gov>; Coffman, Evan <Coffman.Evan@epa.gov>  
**Subject:** CPP comments

Jason and Evan,

Just a quick FYI that we received OMB comments on the CPP RIA. **Deliberative Process / Ex. 5**

## Deliberative Process / Ex. 5

-Neal

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**From:** Wayland, Robertj  
**Sent:** Tuesday, August 07, 2018 1:36 PM  
**To:** Fann, Neal <Fann.Neal@epa.gov>  
**Subject:** FW: Keaveny, Brian has shared 'Interagency RIA Comments 080718'

Here you go! 😊



Robert J. Wayland, Ph.D. | Leader (Acting) | Risk & Benefits Group | Health & Environmental Impacts Division | Mail Code – C539-07 |  
Office of Air Quality Planning & Standards | U.S. Environmental Protection Agency | Research Triangle Park, NC 27711 |  
Desk: 919-541-1045 | Cell: 919-306-2290 | Fax: 919-541-5315 |

*Note: Positions or views expressed here do not represent official EPA policy. Interagency Deliberative and Confidential*

**From:** Keaveny, Brian [mailto:no-reply@sharepointonline.com]

**Sent:** Tuesday, August 07, 2018 1:29 PM

**To:** Sasser, Erika <Sasser.Erika@epa.gov>; Wayland, Robertj <Wayland.Robertj@epa.gov>; Wayland, Richard <Wayland.Richard@epa.gov>; Fox, Tyler <Fox.Tyler@epa.gov>

**Cc:** Keaveny, Brian <Keaveny.Brian@epa.gov>

**Subject:** Keaveny, Brian has shared 'Interagency RIA Comments 080718'

These are the 8/7/2018 interagency comments provided on the full 111(d) RIA, as referenced in an email that I just sent you.

Best regards,  
- Brian Keaveny

## Open Interagency RIA Comments 080718.docx

See more related to Keaveny, Brian in Delve.



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Message

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**From:** Jenkins, Scott [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B9F9532461EA48A598A84169F7F6EE12-SJENKI04]  
**Sent:** 4/27/2018 12:40:00 PM  
**To:** Fann, Neal [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b040a0d5552c40d3a795855b5845c5b4-NFANN]  
**Subject:** RE: RFF comments on 111 ANPR

Do you need something from me on this? I am happy to help draft/review responses if needed. I have not looked at the attachment, but I agree that the comment pasted into your email is reasonable.

Scott Jenkins, Ph.D.  
U.S. EPA, Office of Air Quality Planning and Standards  
Research Triangle Park, NC 27711  
919-541-1167 (v)  
jenkins.scott@epa.gov

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**From:** Fann, Neal  
**Sent:** Friday, April 27, 2018 8:24 AM  
**To:** Sasser, Erika <Sasser.Erika@epa.gov>; Wayland, Robertj <Wayland.Robertj@epa.gov>; Wesson, Karen <Wesson.Karen@epa.gov>; Jenkins, Scott <Jenkins.Scott@epa.gov>  
**Subject:** RFF comments on 111 ANPR

Hi all—see the attached comments from RFF on the CPP repeal.

**Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

**From:** Adamantiades, Mikhail

**Sent:** Thursday, April 26, 2018 2:26 PM

**To:** Hutson, Nick <[Hutson.Nick@epa.gov](mailto:Hutson.Nick@epa.gov)>; Keaveny, Brian <[Keaveny.Brian@epa.gov](mailto:Keaveny.Brian@epa.gov)>; Eschmann, Erich <[Eschmann.Erich@epa.gov](mailto:Eschmann.Erich@epa.gov)>; Fisher, Brian <[Fisher.Brian@epa.gov](mailto:Fisher.Brian@epa.gov)>; Simon, Heather <[Simon.Heather@epa.gov](mailto:Simon.Heather@epa.gov)>; Fann, Neal <[Fann.Neal@epa.gov](mailto:Fann.Neal@epa.gov)>; Weatherhead, Darryl <[Weatherhead.Darryl@epa.gov](mailto:Weatherhead.Darryl@epa.gov)>; Stenhouse, Jeb <[Stenhouse.Jeb@epa.gov](mailto:Stenhouse.Jeb@epa.gov)>; Culligan, Kevin <[Culligan.Kevin@epa.gov](mailto:Culligan.Kevin@epa.gov)>; Harvey, Reid <[Harvey.Reid@epa.gov](mailto:Harvey.Reid@epa.gov)>; Marten, Alex <[Marten.Alex@epa.gov](mailto:Marten.Alex@epa.gov)>; Evans, DavidA <[Evans.DavidA@epa.gov](mailto:Evans.DavidA@epa.gov)>; Swanson, Nicholas <[Swanson.Nicholas@epa.gov](mailto:Swanson.Nicholas@epa.gov)>; McLamb, Marguerite <[McLamb.Marguerite@epa.gov](mailto:McLamb.Marguerite@epa.gov)>; Vijayan, Abi <[Vijayan.Abi@epa.gov](mailto:Vijayan.Abi@epa.gov)>; Skinner-Thompson, Jonathan <[Skinner-Thompson.Jonathan@epa.gov](mailto:Skinner-Thompson.Jonathan@epa.gov)>; Zenick, Elliott <[Zenick.Elliott@epa.gov](mailto:Zenick.Elliott@epa.gov)>

**Subject:** RFF comments on 111 ANPR

# Deliberative Process / Ex. 5

# **Deliberative Process / Ex. 5**

Message

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**From:** Sasser, Erika [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=477638FE84004800BFD8E62FE3CAFC8-ESASSER]  
**Sent:** 8/28/2017 8:35:43 PM  
**To:** Fann, Neal [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b040a0d5552c40d3a795855b5845c5b4-NFANN]  
**Subject:** RE: Clean Power Plan benefits analysis

Hi—Do you want to wait until Friday (or next week) to meet with me? I want you to have enough time to work through best approach, so if it makes sense to wait a few more days, that's fine. I'll hold off until tomorrow to ask Kristal to schedule something.

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**From:** Fann, Neal  
**Sent:** Monday, August 28, 2017 3:47 PM  
**To:** Kamal, Ali <Kamal.Ali@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>; Coffman, Evan <Coffman.Evan@epa.gov>  
**Cc:** Sasser, Erika <Sasser.Erika@epa.gov>; Hetes, Bob <Hetes.Bob@epa.gov>  
**Subject:** Clean Power Plan benefits analysis

# Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

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Neal Fann  
Health and Environmental Impacts Division  
Office of Air Quality Planning and Standards  
U.S. Environmental Protection Agency  
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Research Triangle Park, NC 27711  
Phone: (919) 541-0209

Message

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**From:** Fann, Neal [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B040A0D5552C40D3A795855B5845C5B4-NFANN]  
**Sent:** 4/12/2018 6:07:05 PM  
**To:** Fox, Tyler [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=021c57f288da44738d9dea325aadad85-TFOX]; Wayland, Richard [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d69f0a870909402ebd66847003aa6437-Wayland, Chet]  
**CC:** Simon, Heather [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a777b3ab435946d399a5ac22de5de197-Simon, Heather]; Possiel, Norm [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=89e1e9284df646adaf76cc6bd02aceb6-NPOSSIEL]  
**BCC:** Wayland, Robertj [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d490f5a1cd21498384c72c7ac7076967-RWAYLAND]  
**Subject:** Preliminary estimate of CPP replacement foregone benefits

Chet and Tyler—in my haste to get the preliminary foregone benefits estimates out as quickly as possible late yesterday, I completely forgot to send these to you—my apologies.

As I note below, Heather and I have given these results a first round of QA-QC, but we'll continue to look into these further. Please do let us know if you have any further questions. As I generate additional estimates of foregone benefits I'll be sure to distribute them directly to you both in subsequent e-mails.

Best wishes,  
Neal

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**From:** Fann, Neal  
**Sent:** Wednesday, April 11, 2018 5:14 PM  
**To:** Keaveny, Brian <Keaveny.Brian@epa.gov>; Simon, Heather <Simon.Heather@epa.gov>  
**Cc:** Sasser, Erika <Sasser.Erika@epa.gov>; Wayland, Robertj <Wayland.Robertj@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>  
**Subject:** RE: Preliminary estimate of CPP replacement foregone benefits

# Deliberative Process / Ex. 5

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**From:** Keaveny, Brian  
**Sent:** Wednesday, April 11, 2018 4:39 PM  
**To:** Fann, Neal <Fann.Neal@epa.gov>; Simon, Heather <Simon.Heather@epa.gov>  
**Cc:** Sasser, Erika <Sasser.Erika@epa.gov>; Wayland, Robertj <Wayland.Robertj@epa.gov>; Weatherhead, Darryl <Weatherhead.Darryl@epa.gov>  
**Subject:** RE: Preliminary estimate of CPP replacement foregone benefits

Thanks a bunch Neal and Heather! This is helpful and interesting.

# Deliberative Process / Ex. 5

**From:** Fann, Neal

**Sent:** Wednesday, April 11, 2018 4:10 PM

**To:** Sasser, Erika <[Sasser.Erika@epa.gov](mailto:Sasser.Erika@epa.gov)>; Wayland, Robertj <[Wayland.Robertj@epa.gov](mailto:Wayland.Robertj@epa.gov)>; Weatherhead, Darryl <[Weatherhead.Darryl@epa.gov](mailto:Weatherhead.Darryl@epa.gov)>

**Cc:** Keaveny, Brian <[Keaveny.Brian@epa.gov](mailto:Keaveny.Brian@epa.gov)>; Simon, Heather <[Simon.Heather@epa.gov](mailto:Simon.Heather@epa.gov)>

**Subject:** Preliminary estimate of CPP replacement foregone benefits

Hi all,

I wanted to share with you the preliminary estimates of the foregone PM<sub>2.5</sub> and ozone-related benefits of the CPP replacement policies. These have received a first round of QA from me and Heather, but of course could change.

# Deliberative Process / Ex. 5

Please let me know if you have any questions.

Thanks,  
Neal

**PM<sub>2.5</sub> & Ozone**

# **Deliberative Process / Ex. 5**



# Deliberative Process / Ex. 5

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Neal Fann  
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